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|   |   |    | Application Number       | 10/596,904             |           |
|   |   |    | Filing Date              | 03/23/2007             |           |
|   |   |    | First Named Inventor     | Medhavi Bhatia         |           |
|   |   |    | Art Unit                 | 2468                   |           |
|   |   |    | Examiner Name            | Ansari, Najeebuddin    |           |
| Sheet   | 1 | of | 5                        | Attorney Docket Number | 1497/97/6 |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       | 1                     | US-7,457,312 B2                            | 11-25-2008                     | Weiss et al.                                       |   |
|                       | 2                     | US-7,411,975 B1                            | 08-12-2008                     | Mohaban  |   |
|                       | 3                     | US-2008/0086564 A1                         | 04-10-2008                     | Putman et al.                                      |   |
|                       | 4                     | US-2007/0286158 A1                         | 12-13-2007                     | Cook   |   |
|                       | 5                     | US-7,277,384 B1                            | 10-02-2007                     | Chan et al.  |   |
|                       | 6                     | US-2007/0156491 A1                         | 07-05-2007                     | Schuler et al.                                     |   |
|                       | 7                     | US-2007/0140223 A1                         | 06-21-2007                     | Bhatia et al.                                      |   |
|                       | 8                     | US-2007/0036151 A1                         | 02-15-2007                     | Baeder   |   |
|                       | 9                     | US-2006/0259958                            | 11-16-2006                     | Jennings et al.                                    |   |
|                       | 10                    | US-2006/0218268                            | 09-28-2006                     | Beck et al.  |   |
|                       | 11                    | US-2006/0159129 A1                         | 07-20-2006                     | Schmidt  |   |
|                       | 12                    | US-2006/0146792 A1                         | 07-06-2006                     | Ramachandran et al.                                |   |
|                       | 13                    | US-2006/0093115                            | 05-04-2006                     | Chen et al.  |   |
|                       | 14                    | US-2005/0207358 A1                         | 09-22-2005                     | Nishida et al.                                     |   |
|                       | 15                    | US-2005/011382                             | 05-26-2005                     | Le et al.  |   |
|                       | 16                    | US-2005/0108567                            | 05-19-2005                     | D'Souza et al.                                     |   |
|                       | 17                    | US-2005/0089014 A1                         | 04-28-2005                     | Levin et al.                                       |   |
|                       | 18                    | US-2005/0084088 A1                         | 04-21-2005                     | Hamilton   |   |
|                       | 19                    | US-2005/0078690 A1                         | 04-14-2005                     | DeLangis   |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
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**Complete if Known**

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| First Named Inventor   | Medhavi Bhatia      |
| Art Unit               | 2468                |
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| Sheet | 2 | of | 5 |
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|                          |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |   |   |                |
|                          | 33                    | WO 2007/075527 A2   | 07-05-2007                     | Nextone Communications, Inc.                    |   |                |
|                          |                       |   |                                |   |   |                |
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|   |   |    |   | Art Unit                 | 2468                |
|   |   |    |   | Examiner Name            | Ansari, Najeebuddin |
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|                                 | 34       | Non-Final Official Action for U.S. Patent Application Serial No. 11/026,746 (July 9, 2010).   |                |
|                                 | 35       | Non-Final Official Action for U.S. Patent Application Serial No. 11/427,220 (July 7, 2010).   |                |
|                                 | 36       | Non-Final Official Action for U.S. Patent Application Serial No. 11/427,171 (June 21, 2010).  |                |
|                                 | 37       | Non-Final Official Action for U.S. Patent Application Serial No. 11/427,171 (June 9, 2010).   |                |
|                                 | 38       | Office Action for Japanese Patent Application No. 2007-549342 (May 13, 2010).   |                |
|                                 | 39       | Notification to Make Divisional Application for Chinese Application No. 200580048016 (April 7, 2010).   |                |
|                                 | 40       | Non-Final Official Action for U.S. Patent Application Serial No. 11/314,119 (April 1, 2010).  |                |
|                                 | 41       | Official Action for U.S. Patent Application Serial No. 11/026,746 (December 23, 2009).  |                |
|                                 | 42       | Restriction Requirement for U.S. Patent Application Serial No. 11/026,746 (April 2, 2009).  |                |
|                                 | 43       | Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration for International Application No. PCT/US2006/048166 (November 10, 2008).                                    |                |
|                                 | 44       | Communication of European Publication Number and Information on the Application of Article 67(3) EPC for European Patent No. 1969788 (August 20, 2008).   |                |
|                                 | 45       | Gallon et al., "Bandwidth Management in Next Generation Packet Networks," MSF Technical Report, MSF-TR-ARCH-005-FINAL, MultiService Forum (August 2005).  |                |
|                                 | 46       | "Denial of Service – Understanding Attack Techniques," White Paper (June 22, 2005).   |                |

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|                                 | 47       | "Packet Voice Over Broadband," Light Reading - Networking the Telecom Industry (March 3, 2005).   |                |
|                                 | 48       | Walker et al., "Release 2 Architecture," MSF Release 2 Architecture, MSF-ARCH-002.00-FINAL, Multiservice Switching Forum (January 4, 2005).   |                |
|                                 | 49       | Le et al., "A Review of Mobility Support Paradigms for the Internet" (January 2005).  |                |
|                                 | 50       | "Media Access Control (MAC) Bridges," IEEE 802.1D Standard for Local and Metropolitan Area Networks (June 9, 2004).   |                |
|                                 | 51       | Intel, "Intel IXP2400 Network Processor Datasheet," Document Number: 301164-011, pages 1-126 (February 2004).   |                |
|                                 | 52       | Distributed Denial of Service Attacks, White Paper: Prolexic Technologies, Inc., Q4 (2004).   |                |
|                                 | 53       | Rosenberg et al., "An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing," RFC 3581, pgs. 1-13 (August 2003).  |                |
|                                 | 54       | Schulzrinne et al., "RTP: A Transport Protocol for Real-Time Application," Network Working Group, RFC 3550 (July 2003).   |                |
|                                 | 55       | Rosenberg, "The Real Time Transport Protocol (RTP) Denial of Service (Dos) Attack and its Prevention," pages 1-6 (June 23, 2003).   |                |
|                                 | 56       | "Virtual Bridged Local Area Networks," IEEE Standards 802.1Q, pgs. 1-327 (May 7, 2003).   |                |
|                                 | 57       | Garcia-Martin et al., "Private Header (P-Header) Extensions to the Session Initiation Protocol (SIP) for the 3rd-Generation Partnership Project (3GPP)," RFC 3455, pgs. 1-34 (January 2003).  |                |
|                                 | 58       | Sisalem et al., "Denial of Service Attacks and SIP Infrastructure" (2003).  |                |
|                                 | 59       | Rosenberg et al., "An Offer/Answer Model with the Session Description Protocol (SDP)," RFC 3264 (June 2002).  |                |

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|                                 | 60       | Rosenberg et al., "SIP: Session Initiation Protocol," RFC 3261, pgs. 1-252 (June 2002).   |                |
|                                 | 61       | Rosenberg et al., "Session Initiation Protocol (SIP): Locating SIP Servers," RFC 3263, pgs. 1-16 (June 2002).   |                |
|                                 | 62       | Hayes, "IP Based Multimedia Services Platform," Ericsson, 3GPP, ITU-T IMT-2000 and Beyond, Ottawa, Canada, 19 pages (May 28, 2002).   |                |
|                                 | 63       | "Session Control in IMS Architecture," Newport Networks, White Papers (Copyright 2002-2005).  |                |
|                                 | 64       | Acme Packet, Inc., "Session Admission control: Interactive communication SLAs over Skinny Pipes," 14 pages (2002).  |                |
|                                 | 65       | Schulzrinne et al., "RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals," Network Work Group, RFC 2833 (May 2000).  |                |
|                                 | 66       | Handley et al., "SIP: Session Initiation Protocol," RFC 2543, pgs. 1-143 (March 1999).  |                |
|                                 | 67       | "The E-Model, a Computational Model for use in Transmission Planning," ITU-T, G.107, pgs. 1-25 (December 1998).   |                |
|                                 | 68       | Handley et al., "SDP: Session Description Protocol," RFC 2327, pgs. 1-40 (April 1998).  |                |
|                                 | 69       | Crocker, D., "ARPA Internet Text Messages," RFC 822 (August 13, 1982).  |                |
|                                 | 70       | "SDP: Session Description Protocol Overview (RFC 2327)," Javvin Network Management & Security (Downloaded from the Internet 8/15/2005).   |                |
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